## CONCENTRATION RATIOS TO CROPS AND GARDEN PRODUCTS NEAR OLKILUOTO REPOSITORY SITE

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In Finland, Olkiluoto Island on the western coast has been selected as a repository site for spent nuclear fuel disposal. With approaching licensing steps (application for nuclear construction licence in 2012), the biosphere assessment demonstrating the long-term safety of the repository is developed into more and more site specific. As the literature data on site-relevant crops and garden products on site-relevant soils are sparse or in some cases lacking for the elements of a high relevance (incl. I, Mo, Nb, Cs, Ni, Se) in the biosphere assessment of the Olkiluoto spent fuel repository, crops and garden products were collected from farms nearby the site. The samples were then analysed for stable elements for initial contribution to the site-specific database in respect of these edibles. In the contribution, the soil-to-plant concentration ratios are presented for the edible and also other parts of most common crops and for a few garden products in the region.